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50 Ohm Transmission and Computer Cable

RG-188A/U, RG-174/U and RG-58/U Type

Jameco Part Number 232784 (8216-010-100)

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
RG-174/U Type • 26 AWG Stranded (7x34) .019″ Bare Copper-covered Steel • 90% Tinned Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 60°C)	**8216**		100 500 1000 ††	30.5 152.4 304.8	1.0 5.5 9.0	.5 2.5 4.1	26 AWG (7x34) .019″ BCCS 97.0Ω/M′ 318.2Ω/km	.060	1.52	TC Braid 90% Shield Coverage 10.7Ω/M′ 35.1Ω/km	.110	2.79	50	66%	30.8	101.0	1 10 50 100 200 400 700 900 1000	1.9 3.3 5.8 8.4 12.5 19.0 27.0 31.0 34.0	6.2 10.8 19.0 27.6 41.0 62.3 88.6 101.7 111.5
RG-188A/U Type • 26 AWG Stranded (7x34) .007″ Silver-coated Copper-covered Steel • 96% Silver-coated Copper Braid Shield																			
TFE Teflon® Insulation • White TFE Tape Jacket																			
200°C VW-1 MIL-C-17D	**83269**		100 † 500 † 1000 †	30.5 152.4 304.8	2.8 7.0 12.0	1.3 3.2 5.5	26 AWG (7x34) .007″ SCCCS 91.2Ω/M′ 299.2Ω/km	.058	1.47	SCC Braid 96% Shield Coverage 8.5Ω/M′ 27.9Ω/km	.098 ±.004	2.49 ±.10	50	69.5%	29.0	95.1	1 10 50 100 200 400 700 900 1000	1.2 2.7 5.6 8.3 12.0 17.5 23.7 27.3 29.0	3.9 8.9 18.4 27.2 39.4 57.4 77.8 89.6 95.1
RG-58/U Type • 20 AWG Solid .033″ Bare Copper • 78% Bare Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
75°C	**9201**		U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	13.0 15.5 26.0 25.0	5.9 7.0 11.8 11.4	20 AWG (solid) .033″ BC 10.0Ω/M′ 33.1Ω/km	.116	2.95	BC Braid 78% Shield Coverage 5.5Ω/M′ 18.0Ω/km	.193	4.90	51.5	66%	28.5	93.5	1 10 50 100 200 400 700 900 1000	.3 1.1 2.5 3.8 5.6 8.4 11.7 13.7 14.5	1.1 3.6 8.2 12.5 18.4 27.6 38.4 44.9 47.6
RG-58/U Type • 20 AWG Solid .033″ Bare Copper • Duobond® II + 55% Tinned Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 60°C)	**9310***		500 U-1000 1000	152.4 U-304.8 304.8	14.0 23.0 23.0	6.4 10.5 10.5	20 AWG (solid) .033″ BC 10.0Ω/M′ 33.1Ω/km	.114	2.90	Duobond II + 55% TC Braid 14.0Ω/M′ 45.9Ω/km	.193	4.90	50	66%	30.8	101.0	1 10 50 100 200 400 700 900 1000	.5 1.4 2.8 3.8 5.4 7.9 11.1 12.8 13.9	1.5 4.6 9.2 12.5 17.7 25.9 36.4 42.0 45.6

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • SCC = Silver-coated Copper • SCCCS = Silver-coated Copper-covered Steel • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

*See Belden's website, www.belden.com, for connector information.
† Spools may contain more than one piece. Length may vary ±10% from length shown.
†† Multi-piece spool (max. 3 pieces, min. length 100′). Length may vary ±10% from length shown.

Teflon is a DuPont trademark.